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| THE FOUR PILLARS OF SUSTAINABILITY | | | |
| ENVIRONMENTAL | CULTURAL | SOCIETAL | ECONOMIC |
| Environmental laws  Wildlife reserves  Reusable bags – Pak n’ Save  Electric cars  Tree planting  Riparian planting – to avoid soil erosion/unstable ground  Recycling stations  Cleaner waterways  New ways for factories to get rid of waste (not into our waterways)  Ecological damage to rivers/animal life  Allow soil to rest between crops  Clean air – more oxygen  Greenhouse effect  Parks  Institutions to help protect our planet  Reduce/reuse/recycle  Vertical gardens  Strict fishing rules to prevent over-fishing – depleted waters – Holland.  Worm farms  Non-renewable Energy  (resources that are consumed much faster than nature can regenerate them / most non-renewable energy comes from chemical energy released in the burning of coal, oil or gas e.g coal, crude oil, natural gas, metal ores)  Renewable Energy  Solar power  (convert to heat/electricity)  Wind power – known as ‘green’ technology as it produces no air pollution  (drive mills/pump water)  Hydro power  (70 to 80% of NZ’s electricity supply is generated this way – possible because of the ‘Water Cycle’ – stored in dams until use.  Geothermal power  Comes from heat retained inside the earth. Steam is transported through pipes to a power station which drives generators to produce electrical power.  Bio-energy  The conversion of organic matter, such as trees, plants, reject fruit, straw, waste fat – gets turned into biofuel – but produces greenhouse gases  Global warming effect:  The sun heats the earth’s surface and some of this heat energy radiates back into space but some heat gets trapped in the atmosphere and cannot escape – making the planet hotter  Insulation – are there better environmental ways than what we traditionally do now (pink bats in ceilings)  Air-conditioners – are they good or bad for our environment?  Nuclear waste  Green energy  Bacteria  Genetically modified crops | Market days e.g Avondale mkts  Language classes  Myths and legends  Respect of others’ beliefs/religions  Harmony – accept our differences.  Values  Museums  Embrace traditions  Embrace other cultures  Supermarket isles with foods/ingredients from other countries  Flag  Cultural festivals  e.g Chinese Lantern Festival  Treaty of Waitangi  Song and Dance  Matariki  Arts  Sports  Keep traditions alive  Awareness of histories  Phamplets in multi-cultural languages e.g how to vote for a councillor  English as a Second Language learning institutions  Aqueducts  Marae  Join cultural groups | Education / learning  Schools/universities  Enough food for all  Ability to feel safe – policing  gaols  Nutrition  Sporting facilities  Sporting academies  Adequate housing / comfort  Hospitals  Medicines available to all  Equity and Fairness  Jobs for everyone  Well-being / vitality  Cafes / healthy food places  Use the library to borrow books  labour  Family law  Active Citizenship  Pre-schools  Budgeting services  Language classes  Exercise classes  Councils  Transport  Wind farms (noise and visual pollution  Entertainment centres  Leisure centres  Healthy drinking water  Families  Friends  Parks  Cycle ways  Retirement villages  Rules .e.g road rules  Charities  Foreign species into our country  Protect us from international diseases  Less cars / more cycle paths  Hand-me-downs e.g New York Marathon in winter. Start with layers, then drop them as you go. Collected and given to the homeless.  Digital citizenship  Politics  Dumping regulation laws  Local council laws  Rubbish collections  Helping the homeless  Helping the aged | Business development  Enterprise  Electricity  Education / learning  Jobs  Computer classes  Transport  Wind farms  Solar panels  Only buy what you need  Avoid being extravagant  Budget  Support businesses that sell organic food and other organic materials  Tourism (also creates jobs)  Public transport  Use hand-me-downs  Turn lights off when not in use  Garage sales  Bring back honesty boxes!!  Innovation  Companies use profits to find more environmentally friendly ways to do their business  Avoid fruit wastage  Preserve our fruit for the winter months – like our grandmothers did. |